

Design and Access Statement

This application is for permission to construct a replacement livestock building for the dairy herd at Grange Farm. Measuring 30m wide by 15m long. With a total height of 8m on a Defra recommended roof pitch of 15% standard for livestock. The extension to the milking parlour 10 years ago has had severe detrimental impact on the adjoining buildings to either side, resulting in pneumonia and raised cell counts and mastitis levels. Effectively this extension closed off the sides and reduced the ventilation in these buildings to less than what is adequate for livestock. This building remedies this and covers the feed passage to the east to reduce waste and improve performance.

It is widely recognised that 50% of agricultural buildings are not fit for purpose in the UK. The impact of poorly designed multiple span buildings on animal welfare has been highlighted by the National Parks commissioning a survey conducted by Acorus into the ventilation of livestock buildings. This survey showed the detrimental impact of multi span livestock buildings and the impact that the North York Moors National Park Policies towards multiple span buildings can have on livestock.

Location

The location is in the middle of existing buildings at grange farm and makes use of existing access.

Design

The building is a standard portal frame agricultural building in keeping with existing buildings on the farm. The roof will be sheeted in dark grey fibre cement sheets with clear sheets to provide light for the livestock. The walls will be grey concrete block at the bottom and green Yorkshire boarding at the top. The building will make use of the existing feed passage and floor lay out of the replaced buildings.

Scale

Height. 8m with a standard Defra approved 15% roof angle for livestock.

Width. 30m

Length. 15m.

Area. 450m².

Access

Access by existing concrete roads.

Landscaping

Substantial landscaping and tree planting have taken place to screen all the buildings at the farm from the limited view points. This was approved in 2007 and the tree planting has been extended to screen the whole farm. This tree planting consists of 5000 whips and transplants of over 30 native species and 115 semi mature 3m to 7m trees. A further 1000 whips, transplants and semi mature trees will be planted in 2013/14. This diverse habitat has already seen improvements in wild life in



and around the farm buildings an example of this is Barn Owls nesting in the new cubical shed. Nesting Barn Owls has never happened before on this farm.

Environmental Impact

It is aimed to limit any environmental impact, the positioning in the middle of existing buildings and within the tree planting limits its visual impact, keeping all developments in one area. No protected species or habitats will be disturbed by the proposed development.

Policy

This development complies with all national and local policies. Development Policy 12 and Design Guide 3 and 5 all support this development.

CO2 Exemption

This building is a replacement building so no change in CO2 use so the building should be exempt from the 10 % CO2 rule. But a 34.2m 50 KW wind turbine is under construction.



NYM/NPA
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